

Service Project Proposal

Feminine Hygiene

Under Disease Prevention and Treatment, following the theme Rotary serving Humanity

Rotary Club of Poona, Inspira

Goal of the Project: To tackle the problem of sanitary napkin disposal in Pune district by installing incinerators.

Why is this needed: Currently the sanitary napkins are mixed with regular waste from societies, public places and it's difficult to segregate them and dispose them off. This exposes these viral borne waste to the environment, animals and public at large causing diseases like Hepatitis B and C. It exposes waste pickers to disease-causing microorganisms E coli, Salmonella, Staphylococcus, HIV and pathogens that cause hepatitis and tetanus. Incinerating these napkins is the only way of getting rid of this menace.

Where to install and who will benefit: Individual and Large unit options available can be installed at Schools, Colleges, Ladies Hostel, Hotels, Railway Station, Air Ports, Bus Stops, Public Toilets and individual homes.

Every single unit of incinerator will directly benefit between 10 to 50 users per day based on the type and capacity of the incinerator, not to count the benefits to environment and society. This will also save the waste pickers from the in-human task of segregating this waste at various stages of the waste cycle. The cost of the incinerator varies from 3000 to Rs 40,000 based on the type and capacity. The table on the next page considers different types of incinerators at different sites, hence affects the cost that is assumed for calculations.

Cost of the Project: 60,000 USD

Total Beneficiaries: 28,400,650

Proposed number of units in the year in the district

Location	Number of units	Cost /unit in INR	Total Cost in INR	Cost /unit in USD	Total Cost in USD	Beneficiaries/ unit/day	Total Beneficiaries /day
Schools and Colleges	50	20000	1000000	294	14706	50	2500
Hostels	20	15000	300000	221	4412	50	1000
Malls	20	20000	400000	294	5882	200	4000
Hospitals	20	20000	400000	294	5882	100	2000
Societies	25	40000	1000000	588	14706	100	2500
Slum areas	65	3000	195000	44	2868	20	1300
Public toilets	50	15000	750000	221	11029	50	2500
	250		4045000		59485	570	15800

Beneficiaries' calculations:

Direct beneficiaries	15800 per day
Waste pickers	316 per day
Family members	63200 per day
	79316 per da
Beneficiaries per year	28950340

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Suggested Models

- Sunshine Techno Systems “STS-10” for Girls Hostels
- Sunshine Techno Systems “STS-30” for Malls and Hospitals
- Inci15 for Schools and colleges
- “Ashudhdhinashak” a non-fuel based cheaper option for slum areas and public toilets